

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-13. (cancelled)

14. (previously presented) An antenna comprising:
two cable segments (1);
each said cable segment comprising a pair of insulated conductor wires (2);
each said cable segment terminating at a first end (3) with a load (4), said cable segment and said load having the same characteristic impedance;
a connector connecting second ends (5) of the two cable segments in parallel; and

a transceiver connector connected to said connector, wherein,

each of the cable segments have a first length and a total extended length of the two cable segments equals approximately twice the first length.

15. (previously presented) The antenna of claim 14, wherein the two cable segments are identical.

16. (previously presented) The antenna of claim 14, wherein,

the insulated conductor wires are twisted copper conductors having a capacitance of 210 picofarads per meter, and insulation of the wires has a dielectric constant of 1.463.

17. (previously presented) The antenna of claim 14, wherein a length of each cable segment is about 35 meters long for transmitting data at up to about 2.4 gigahertz.

18. (previously presented) The antenna of claim 14, further comprising:

a dielectric tape (7) holding together the insulated conductor wires;

metal tapes (10) covering the dielectric tape; and
a supporting sheath (9) surrounding the metal tapes,
wherein,

the metal tapes are wound helically without overlap around the pair of insulated conductor wires, and

the metal tapes extend between the dielectric tape and the supporting sheath.

19. (previously presented) The antenna of claim 14, wherein, the metal tapes have edges spaced apart by gaps about one to two times a width of the metal tapes.

20. (previously presented) The antenna of claim 14, further comprising:

a dielectric tape (7) holding together the insulated conductor wires;

metal wires (10) wound around each of the insulated conductor wires; and

a supporting sheath (9), wherein,

the metal tapes are wound helically without overlap around the pair of insulated conductor wires, and

the metal tapes extend between the dielectric tape and the supporting sheath.

21. (previously presented) The antenna of claim 18, wherein each of the insulated conductor wires comprise multiple twisted wire strands.

22. (cancelled)